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(71) Applicant (for all designated States except US): **SELLE ROYAL SPA** [IT/IT]; Via Vittorio Emanuele, 141, I-36050 Pozzoleone (IT).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **BIGOLIN, Riccardo** [IT/IT]; Via Cime, I-31020 San Zenone Degli Ezzelini (IT).

(74) Agent: **MAROSCIA, Antonio**; Maroscia & Associati SRL, Contrà S. Caterina, 29, I-36100 Vicenza (IT).

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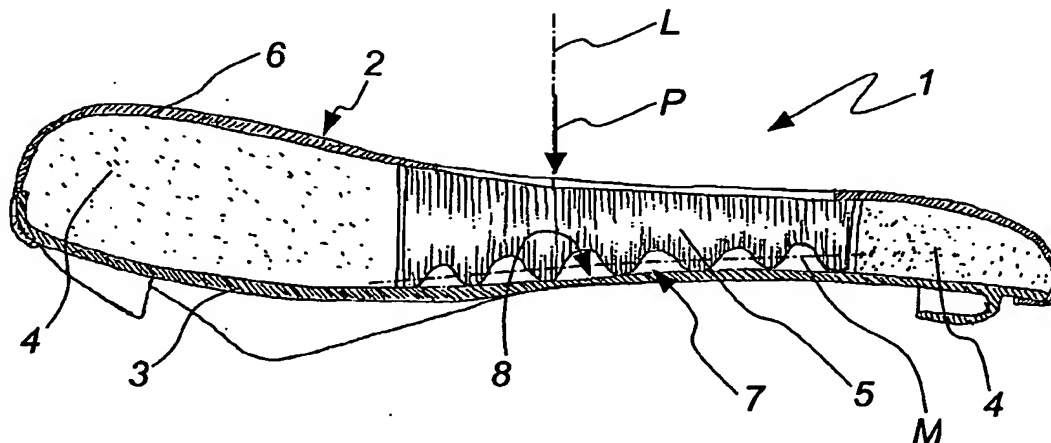
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(54) Title: **VISCOELASTIC SUPPORT STRUCTURE WITH IMPROVED ENERGY ABSORPTION PROPERTIES**



(57) Abstract: A viscoelastic support structure having improved energy absorption properties, comprising a rigid or semirigid frame (3), at least one layer (4) made of a resilient filler, a flexible covering (6) having a surface of contact (2) with the user, at least one gel insert (5) interposed between the covering (6) and the frame (3) to interact therewith when the user exerts a stress thereon. On the insert (5) and/or the frame (3) and/or the covering (6), the structure (1) has a plurality of protuberances (9) and recesses (10) with respect to a mid-surface (M) adapted to facilitate the deformation of the insert (5), in a direction transverse to the stress direction (L) and/or essentially parallel to the mid-surface (M), to increase the energy that the insert (5) is able to dissipate.